600/323

# Waters PRODUCT DATA

OXIMETERS • BLOOD DENSITOMETERS • THERMISTORS • CARDIO TACHOMETER • NITROGEN GAS ANALYZERS *(Are All Available As Complete Recording Systems).* OSCILLOGRAPH & INK RECORDERS • SURGICAL CAMERA • POWER SUPPLIES • N-CUVETTES • MUSCLE STIMULATOR • SPECIAL INSTRUMENTATION

## X-350 OXIMETER

- LINEAR!
- ACCURATE!
- SOLID STATE!
- DIRECT LINEAR METER READOUT!
- STABLE, LONG LIFE PHOTOCELLS!
- LIGHT-WEIGHT EARPIECE FITS ALL!
- CUVETTE HAS REMOVABLE LUMEN!
- USE MOST RECORDERS!

The Waters Company has recently designed and developed a linear, solid-state Oximeter designated as the X-350. Advent of the X-350 makes use of stable, long life photocells and eliminates fragile galvanometers.

The Waters X-350 Oximeter system is an instrument which, by means of a photo-electric pickup, provides an instantaneous, continous indication of the percent of oxygen saturation of circulating blood. The photo-electric pickup is in two forms, one as an earpiece with attaches to the ear, and the other as a cuvette through which whole blood is withdrawn.

The X-350 Oximeter provides continuous, accurate, linear, readings on a front panel meter, with simultaneous facilities for recording on most laboratory recorders.

The X-350 Oximeter uses two STABLE, SEALED photocells, appropriate optical filtering, a light source and a sampling chamber. One photocell, the red cell, responds to the amount and state of oxygenated blood in the path of light, while the other photocell, the IR cell, responds to the amount of blood in the optical pathway and is independent of the degree of oxygenation of the blood. The ratio of light transmission to the two photocells is a function of the oxygen saturation of the blood sample.

### X-350 SPECIFICATIONS

| | | |
|---|---|---|
| Input: | Voltage (other voltage at additional cost) | 115 V.A.C. - 50 or 60 cps. |
| | Power (with cuvette) | 15 Watts |
| | Power (with earpiece) | 5 Watts |
| Power Supply Regulation | | .05% from 105 to 125 V. |
| XC-350 Cuvette: | Lumen Volume | (0.01ML) 0.01cc |
| | Sample Volume 8″ Intake Tubing | (0.26ML) 0.26cc |
| | Sterilization | Chemical |
| | Size | 1 in. Dia. x 3⅝″ in L. |
| | Weight (with 6′ connecting cable) | 5.4 oz. |
| XE-350 Earpiece: | Size (overall) | 1¼ in x ½ in x 1⅛ in |
| | Weight | 3.9 oz. |
| XP-350 Control: | Size (overall) | 11 in H x 9⁵/₁₆ in W x 10⅜ in L |
| | Weight (with 6′ connecting cable) | 14 lbs. |
| Price: | XP-350 Control | $810.00 |
| | XC-350 Cuvette | 385.00 |
| | XE-350 Earpiece | 425.00 |

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**NATION-WIDE FACTORY TRAINED REPRESENTATIVES**


**THE WATERS COMPANY**

A Division of Flo-Tronics, Inc., Minneapolis

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PRELIMINARY DATA